



Amendment

(j) Abstract 09/27,029

RECEIVED

FEB 24 2003

GROUP 3600

The invention of the decorative PETG walking cane is designed to encourage the handicapped to use this walking assistance. The invention of this cane includes the use of PETG, a Polyethylene Terephthalate Glycol Comonomer. This material can be heated for bending the hook of the cane and remain clear. PETG has many of the advantages of polycarbonate without the high material costs. PETG has strength, durability and fabrication ease that acrylic does not have. The type of handle of this cane has been engineered to bear more weight and provide some "give". The type of handle is an important part of this invention.

The walking cane has a tubular shaft (the garland cane) or two shafts in the glitter cane. The transparent tubing is enhanced by light reflecting glitter foil with a rubber adhesive back in the glitter cane. The smaller shaft with the foil is inserted into the 1" tube. When this is added to the glitter cane, it is not transparent. In the garland cane, the shiny garland is fed through the transparent cane, but does not destroy the transparency. The lower end of the cane has a rubber tip reinforced with a steel bearing. The upper end of the cane is a 1" half round acrylic glued in place.

(k) Sequence listing

1. PETG 1" tube is extruded with a hollow core and cut to size in assembly line.
2. The garland is inserted by hand.
3. The garland tube is heated and placed in a mold to form the handle.
4. For the glitter cane, the 1" tube is extruded with a hollow core and cut to size in the assembly line.
5. The decorated Holographic rubber adhesive back foil is applied to an inner 5/8 flexible tube in the production line.
6. The 5/8 foil tube is inserted into the entire length of the 1" tube.
7. The tubing is heated and placed in a mold for bending the cane handle.
8. The final steps in the production of the PETG cane are to glue the cap on the upper end of the crooked handle and to place a reinforced rubber tip on the end of the shaft.

BEST AVAILABLE COPY